

REFERENCE NO. OF DOCUMENT BEING CONTINUED: NNK11365214R1  
NAME OF OFFEROR OR CONTRACTOR:

**ATTACHMENT COVER PAGE**

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<input type="checkbox"/>	002	PERFORMANCE SPECIFICATIONS	01/10/2011	21
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**STATEMENT OF WORK:  
LANGLEY RESEARCH CENTER (LRC), CLIN 001, CLIN 002, CLIN 003**

- (a) **Delivery:** Delivery and acceptance of liquid nitrogen will normally be made Monday through Friday, from 7:00 AM to 2:00 PM. Delivery and acceptance of liquid oxygen will normally be made Monday through Friday, from 7:00 AM to 8:00 AM. However, under unusual circumstances, the Contractor agrees to deliver product 24 hours a day, 7 days a week, including holidays.
- (b) **Clearance Procedures:** Until PIV card is issued (outlined in Amendment 003), the badging point of contact will ensure the drivers are issued temporary badges for admission onto LRC. Badges are issued at the Pass Office, Building 1308, Monday through Friday between the hours of 7:00 AM to 3:30 PM.
- (c) **Seals:** LRC requires the tanker to be sealed to prevent tampering, with each seal marked by a unique alpha-numeric identifier (serial number).
- (d) **Quantification of product delivered:** LRC will accept meter readings from the tanker pump to determine quantity of product delivered. No certified scales reside at LRC.
- (e) **LRC responsibility during delivery:** LRC personnel will be present and operate LRC equipment during the delivery of liquid nitrogen and liquid oxygen.
- (f) **Notice for Delivery:** LRC will provide a minimum of 24 hours notice before delivery of product.
- (g) **Receiving storage:** Current facility storage containers in use at LRC include those which are listed below. However, the Government reserves the right to add, withdraw, change, or substitute receiving containers at anytime during the life of the contract.

Facility	Tank Designator	Product	Product Grade	Capacity (gallons)	MAWP (psig)
Bld. 648	Unit 44	Nitrogen	B	6,000	50
	Unit 54	Nitrogen	B	6,000	50
Bld. 1148	Unit 24	Nitrogen	B	4,000	50
	Unit 53	Nitrogen	B	3,000	50
Bld. 1160	Unit 22	Nitrogen	B	4,000	50
Bld. 1202	Unit 28	Nitrogen	B	1,800	50
Bld. 1205	Unit 43	Nitrogen	B	3,000	50
	Unit 51	Nitrogen	B	3,000	50
Bld. 1232	Unit 18	Nitrogen	B	1,500	50
Bld. 1236	Unit 31	Nitrogen	B	3,000	50
	Unit 33	Nitrogen	B	6,000	50
Bld. 1242	Unit 38*	Nitrogen	B	28,000	50
	Unit 39*	Nitrogen	B	28,000	50
Bld. 1247H	Unit 8	Nitrogen	C	6,000	50
Bld. 1247B	Unit 6	Nitrogen	C	6,000	50
Bld. 1250	Unit 42	Nitrogen	B	14,000	50
Bld. 1258	Unit 50	Nitrogen	B	1,500	50
Bld. 1265	Unit 39 LNT	Nitrogen	C	10,000	50
Bld. 1275	Unit 15	Nitrogen	B	6,000	50
Bld. 1293C	Unit 32	Nitrogen	B	1,500	50
Bld. 1297	Unit 279	Nitrogen	B	50	50
Bld. 1265	Unit LXT-38	Oxygen	A	28,000	50

(h) Fill Point Interface: The interface at the fill point for each tank use 1½" CGA fittings (NI-150 for the nitrogen tanks and OX-150 for the oxygen tank).

(i) LRC Points of Contact will be listed on the Delivery Orders.

**\*\*Units 38 and 39 have not been operational for 5 years. These units will run for 2-3 weeks and then be down for a period of time. While they are running they may need a load every day which would be in addition to the other unit requirements on the Center.**

**STATEMENT OF WORK:  
KENNEDY SPACE CENTER (KSC), CLIN 004, CLIN 005**

- (a) **Delivery:** Delivery and acceptance of liquid nitrogen and liquid oxygen will normally be made Monday through Friday, from 7:00 AM to 3:30 PM. However, under unusual circumstances, the Contractor agrees to deliver product 24 hours a day, 7 days a week, including holidays.
- (b) **Clearance Procedures:** Until PIV card is issued (outlined in Amendment 003), the badging point of contact will ensure the drivers are issued temporary badges for admission onto KSC. Badges are issued at the Pass and Identification Station -2, Monday through Friday between the hours of 6:00 AM to 4:00 PM. A TWIC card will be accepted in lieu of the process in Attachment 003.
- (c) **Seals:** KSC requires the tanker to be sealed to prevent tampering, however, the seal does not need to be marked with unique alpha-numeric identifier.
- (d) **Quantification of product delivered:** KSC will accept certified scale measurements from the contractor source to determine quantity of product delivered. If product is offloaded using the trailer pump, KSC will accept the measurements from the trailer pump meter.
- (e) **KSC responsibility during delivery:** KSC personnel will be present and operate KSC equipment during the delivery of liquid nitrogen and liquid oxygen.
- (f) **Notice for Delivery:** KSC will provide a minimum of 24 hours notice before delivery of product. Product request for less than 48 hours notice shall incur a short notice delivery charge.
- (g) **Receiving storage:** Current facility storage containers in use at KSC include those which are listed below. However, the Government reserves the right to add, withdraw, change, or substitute receiving containers at anytime during the life of the contract.

Facility	Tank Description	Product	Capacity (gallons)	MAWP (psig)	Interface
Bld. K7-314		Nitrogen	10,000	60	Sequel
Bld. K7-412		Nitrogen	2,000	75	Sequel
Bld. M7-557		Nitrogen	5,000	250	Sequel
Bld. M7-581		Nitrogen	6,000	250	Sequel
LETF		Nitrogen	15,000	175	Sequel
		Nitrogen	15,000	175	
Bld. M7-360		Nitrogen	13,500	90	CGA
Bld. K7-314	Recharger	Nitrogen	2,000	50	Sequel
Bld. K7-314	Recharger	Nitrogen	3,000	50	Sequel
Bld. K7-314	Mobile Tankers	Nitrogen	4,000	50	Sequel
Bld. K7-412	Mobile Tankers	Oxygen	4,000	50	Sequel

(h) Fill Point Interface:

Liquid oxygen      3" Sequel Systems Inc. (BR-30-013SS) or equal  
Liquid nitrogen      3" Sequel Systems Inc. (EN-30-013SS) or equal, 1½" CGA fittings (NI-150)

KSC will provide the 3" flexible hose to transfer from contractor tanker to Government equipment. All receiving equipment with a 3" connection will be filled by pressure transfer. The receiving vessel at Bld. M7-360 will be filled by pump transfer.

(i) KSC Points of Contact will be listed on the Delivery Orders.